

Truck Mounted Crane Inspection Report

(Knuckle Boom & Straight Boom)



Job & Report Number:	J21101-SI02	Inspection Date:	28/05/2025
Client / Equipment Holder:	Agtrans Ltd	Contact Person:	Logan
Address:	24 Fitzgerald Lane, Hawera.	Contact Number:	0800 AGTRANS / 027 278 6770
Type:	Truck Mounted Crane	Boom Configuration:	Knuckle Boom
Official Number:	6220514	Rating Sheet:	Posted on crane
Client ID:	CJL 283	Capacity:	15000kg (Max) - Reduced to 11.5T due to Hook
Manufacturer:	Palfinger PK 53002-SH	Hoist Rope Diameter:	9.0mm
SWL Indicator Type:	Alarms & Cut-outs	Hooks SWL:	11.5ton SWL
Vehicle Type:	2004 Mercedes Benz	Registration:	CJL 283

GENERAL

Number	Check	Assessment	Comments
1	ID Number Visible	✓	Clearly visible company sign writing. Satisfactory.
2	Maintenance Records	✓	Maintained in house by Agtrans technicians. Satisfactory.
3	Load Radius Rating Chart (English)	✓	Chart - PK53002-SH F- Posted near manual controls. Satisfactory.
4	LT 400 (Only on First Inspection)	N/A	

OPERATIONAL

1	Overload Protection System	C	Cut-out and display operating satisfactory – Alarms not working.
2	Anti – Two Block (recommended)	C	Required for winch, to be inspected when winch is operational.
3	Load Holding Valves (if required)	✓	Fitted. Holding satisfactory during load test.
4	Load Test	✓	Tested using Est. 1000kg + fly gib tare weight (2000kg), 90% warning at 10.4m, cutout at 11m. Under lifting according to chart and tape.
5	Stability Check (if required)	N/A	
6	Sag Rate	✓	No creep noted at load test. Satisfactory
7	Stabiliser Check valves (if required)	✓	Fitted on all 4 legs. No concerns.
8	Hoist Winch	C	Rust forming near winch mount.
9	Hydraulics	C	Hydraulic pipe on extension ram is kinked, minor oil weep from boom load holding valve.
10	Controls	✓	Remote and manual controls. 3x E-stops tested and resetting.
11	Extensions (visible locks, position indicator)	✓	Position indicator decals fitted. Serviceable condition.

CONDITION

1	Crane Mounting (base stops, spacers)	✓	Welded base stops. Secured. No concerns.
2	Crane Base (bolting, pins, bushes, locks)	✓	Studs and double nuts in place and secure. Satisfactory
3	Extension Beam(s) & Jacks	C	Front and rear extensions. LED lights not working. Jack mount bolt on LR leg appears loose.
4	Extensions (wear pads, locks)	✓	7x hydraulic extensions in satisfactory condition.
5	Slew Bearing / Slew bearing / Bolts	✓	Smooth operation. No noted wear. Satisfactory
6	Crane Body (bolting, pins, bushes, locks)	✓	Minimal wear noted. Satisfactory condition.
7	Inner Boom (pins, bushes, locks)	✓	Secured, no concerns.
8	Outer Boom (pins, bushes, locks)	✓	Securely locked and in satisfactory condition.
9	Extending Booms (wear pads)	✓	No excessive or uneven wear noted. Serviceable condition.
10	Hooks & Hook attachments	C	Burr in hook shackle. Minor neck wear on hook.
11	Ropes (terminations, length)	C	Multiple broken strands near end of rope.
12	Sheaves	C	Minor wear in sheave and guide pulley bearings. Serviceable condition.
13	Hydraulic Tank & Hoses	C	Brackets broken/missing on extension tubes. Recommend maintenance.
14	Other	C	Gib tare weight to be posted

LEGEND

✓	Acceptable	C	Comment
✗	Not Acceptable	NA	Not Applicable

Year mfg.2013. Serial no. 1001161820




This item has been inspected in accordance with the relevant codes & standards and **not being / is being** recommended for certification.

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Expiry Date: 31/05/2026

Equipment Inspector: Alan Winch/ Mark Bright	Reviewed By:
A. Winch – Authorised Signatory 	Alan Winch Issue Date: 28-05-2025

Actions		Priority
Action		Priority
Item 1 Operational- Re-instate SWL warning alarms		R
Item 2 Operational- Anti-two block to be operational and checked by competent person before using winch.		M
Item 8 Operational- Clean up and treat rust near winch mount.		R
Item 9 Operational- Clean up and monitor oil weep at boom load holding valve; Replace damaged boom extension ram hydraulic pipe before next inspection.		M
Item 3 Condition- Check, replace, tighten, jack mount bolt on left rear outrigger. Repair LED lights on jacks.		R
Item 10 Condition- Remove burr from hook shackle and monitor hook neck wear.		M
Item 11 Condition- Winch rope to be replaced or frayed section cut out, load tested and inspected by competent person before use.		M
Item 12 Condition- Service sheave and guide pulley bearings.		R
Item 13 Condition- Replace/maintain extension tube brackets.		R
Item 14 Condition- Tare weight to be posted on fly gib		M
Priority:	M Mandatory by certificate expiry	R Recommendation

Crane Certificate of Inspection			
Client:	Agtrans Ltd	Job Number:	J21101-SI02
Controller:	Logan	Date of Inspection:	28/05/2025
Controller's Address:	24 Fitzgerald Lane, Hawera Taranaki	Official Number:	6220514
Equipment ID:	CJL 283	Safe Working Load:	11.5 Tonnes
Equipment Desc:	2004 Mercedes / PK53002-EH	Manufacturer:	Palfinger - 2013
Purpose:	Truck loading and unloading	Crane Type:	Truck Mounted
Location:	New Zealand Wide	Serial Number:	1001161820
		Date of Expiry:	31/05/2026
<i>This equipment was found to be in a satisfactory and safe condition at the time of inspection and will remain safe for the period of the certificate if operated and maintained properly.</i>			
Equipment Inspector: A. Winch/M. Bright		Authorised Signatory: A. Winch	
Sentinel Inspection Services Ltd. is an IANZ Accredited Inspection Body All enquires phone (06) 281 1302		www.sentineltd.co.nz	
		 No. 128	

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